

K. DAVIS

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#8

AUG 24 2001

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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/550,173

DATE: 07/18/2001

TIME: 10:19:33

Input Set : A:\2185-0424P.ST25.txt

Output Set: N:\CRF3\07182001\I550173.raw

ENTERED

3 <110> APPLICANT: OOE, Norihasa
4 MATSUNAGA, Haruyuki
6 <120> TITLE OF INVENTION: CELL FOR MEASURING THE ABILITY TO CONTROL THE ACTIVITY
7 OF A LIGAND-RESPONSIVE TRANSCRIPTION CONTROL FACTOR
9 <130> FILE REFERENCE: 2185-0424P
11 <140> CURRENT APPLICATION NUMBER: 09/550,173
12 <141> CURRENT FILING DATE: 2000-04-14
14 <150> PRIOR APPLICATION NUMBER: JP H11-106791
15 <151> PRIOR FILING DATE: 1999-04-14
17 <150> PRIOR APPLICATION NUMBER: JP H11-106792
18 <151> PRIOR FILING DATE: 1999-04-14
20 <150> PRIOR APPLICATION NUMBER: JP H11-106793
21 <151> PRIOR FILING DATE: 1999-04-14
23 <150> PRIOR APPLICATION NUMBER: JP H11-107774
24 <151> PRIOR FILING DATE: 1999-04-15
26 <160> NUMBER OF SEQ ID NOS: 34
28 <170> SOFTWARE: PatentIn Ver. 2.1
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 6
32 <212> TYPE: DNA
33 <213> ORGANISM: Unknown Organism
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Description of Unknown Organism: consensus
37 sequence of a dioxin-responsive sequence
39 <220> FEATURE:
40 <221> NAME/KEY: Unsure
41 <222> LOCATION: (1)..(1)
42 <223> OTHER INFORMATION: n = t or a
44 <300> PUBLICATION INFORMATION:
45 <303> JOURNAL: J. Biol. Chem.
46 <304> VOLUME: 271
47 <306> PAGES: 3952-3958
48 <307> DATE: 1996-02-01
50 <400> SEQUENCE: 1
51 ngcgtg
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 16
56 <212> TYPE: DNA
57 <213> ORGANISM: Unknown Organism
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Unknown Organism: consensus
61 sequence of an estrogen-responsive sequence
63 <220> FEATURE:
64 <221> NAME/KEY: Unsure
65 <222> LOCATION: (7)..(9)
66 <223> OTHER INFORMATION: n = a,c,g,t any unknown or other.
68 <400> SEQUENCE: 2

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69 aggtcannnt gacctt 16
 72 <210> SEQ ID NO: 3
 73 <211> LENGTH: 20
 74 <212> TYPE: DNA
 75 <213> ORGANISM: Artificial Sequence
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
 79 with human genomic DNA.
 81 <400> SEQUENCE: 3
 82 ttgagctagg cacgcaaata 20
 85 <210> SEQ ID NO: 4
 86 <211> LENGTH: 20
 87 <212> TYPE: DNA
 88 <213> ORGANISM: Artificial Sequence
 90 <220> FEATURE:
 91 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
 92 with human genomic DNA
 94 <400> SEQUENCE: 4
 95 gcttttgattg gcagagcaca 20
 98 <210> SEQ ID NO: 5
 99 <211> LENGTH: 51
 100 <212> TYPE: DNA
 101 <213> ORGANISM: mouse
 103 <220> FEATURE:
 104 <223> OTHER INFORMATION: The sequence is composed of nucleotide sequences
 105 derived from a nucleotide sequence near the TATA
 106 box of a mouse metallothionein I gene. The
 107 sequence is introduced into mouse and human cells.
 109 <400> SEQUENCE: 5
 110 gatctcgact ataaagaggg caggctgtcc tcaagcgtca ccacgacttc a 51
 113 <210> SEQ ID NO: 6
 114 <211> LENGTH: 52
 115 <212> TYPE: DNA
 116 <213> ORGANISM: mouse
 118 <220> FEATURE:
 119 <223> OTHER INFORMATION: The sequence is composed of nucleotide sequences
 120 derived from a nucleotide sequence near the TATA
 121 box of a mouse metallothionein I gene. The
 122 sequence is introduced into mouse and human cells.
 124 <400> SEQUENCE: 6
 125 agcttgaagt cgtggtgacg cttagaggac agcctgccct ctttatagtc ga 52
 128 <210> SEQ ID NO: 7
 129 <211> LENGTH: 33
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Xenopus
 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: The sequence is located at the upstream of a
 135 Xenopus-derived vitellogenin gene containing a
 136 recognition sequence of an estrogen receptor. The

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137      sequence is introduced into mouse and human cells.
139 <400> SEQUENCE: 7
140 tcgacaaagt caggtcacag tgacctgac aag          33
143 <210> SEQ ID NO: 8
144 <211> LENGTH: 31
145 <212> TYPE: DNA
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
150      with pTK beta
152 <400> SEQUENCE: 8
153 cggcagatct tctttagttc tatgatgaca c          31
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 29
158 <212> TYPE: DNA
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
163      with pTK beta
165 <400> SEQUENCE: 9
166 cggaagcttg atctgaggca cgctgttga          29
169 <210> SEQ ID NO: 10
170 <211> LENGTH: 35
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
176      with human cDNA
178 <400> SEQUENCE: 10
179 cctgcgggga cacggtctgc accctgcccg cggcc          35
182 <210> SEQ ID NO: 11
183 <211> LENGTH: 35
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
189      with human cDNA
191 <400> SEQUENCE: 11
192 cagggagctc tcagactgtg gcagggaaac cctct          35
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 40
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for
202      adding Kozak consensus sequence to human cDNA
204 <400> SEQUENCE: 12
205 cccagccacc atgaccatga ccctccacac caaagcatct          40
208 <210> SEQ ID NO: 13

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209 <211> LENGTH: 35
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for
215     adding Kozak consensus sequence to human cDNA
217 <400> SEQUENCE: 13
218 cagggagctc tcagactgtg gcagggaaac cctct      35
221 <210> SEQ ID NO: 14
222 <211> LENGTH: 35
223 <212> TYPE: DNA
224 <213> ORGANISM: Artificial Sequence
226 <220> FEATURE:
227 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
228     with human cDNA
230 <400> SEQUENCE: 14
231 ttgagttact gagtccgatg aatgtgcttg ctctg      35
234 <210> SEQ ID NO: 15
235 <211> LENGTH: 35
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
241     with human cDNA
243 <400> SEQUENCE: 15
244 aaatgagggg ccacacagca gaaagatgaa gccca      35
247 <210> SEQ ID NO: 16
248 <211> LENGTH: 55
249 <212> TYPE: DNA
250 <213> ORGANISM: Artificial Sequence
252 <220> FEATURE:
253 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for
254     adding Kozak consensus sequence to human cDNA
256 <400> SEQUENCE: 16
257 gccgcggccg cccagccacc atggatataa aaaactcacc atctagcctt aattc      55
260 <210> SEQ ID NO: 17
261 <211> LENGTH: 43
262 <212> TYPE: DNA
263 <213> ORGANISM: Artificial Sequence
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for
267     adding Kozak consensus sequence to human cDNA
269 <400> SEQUENCE: 17
270 ggggtctagaa atgaggggacc acacagcaga aagatgaagc cca      43
273 <210> SEQ ID NO: 18
274 <211> LENGTH: 52
275 <212> TYPE: DNA
276 <213> ORGANISM: mouse
278 <220> FEATURE:

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279 <223> OTHER INFORMATION: The sequence is derived from a nucleotide sequence
 280 near the TATA box of a mouse metallothionein I
 281 gene. The sequence is used for human cells. The
 282 sequence is introduced into human cells.

284 <400> SEQUENCE: 18
 285 gatctcgact ataaagaggg caggctgtcc tctaagcgtc accacgactt ca 52
 288 <210> SEQ ID NO: 19
 289 <211> LENGTH: 52
 290 <212> TYPE: DNA
 291 <213> ORGANISM: mouse
 293 <220> FEATURE:

294 <223> OTHER INFORMATION: The sequence is derived from a nucleotide sequence
 295 near the TATA box of a mouse metallothionein I
 296 gene. The sequence is used for human cells. The
 297 sequence is introduced into human cells.

299 <400> SEQUENCE: 19
 300 agcttgaagt cgtggtgacg cttagaggac agcctgccct ctttatagtc ga 52
 303 <210> SEQ ID NO: 20
 304 <211> LENGTH: 35
 305 <212> TYPE: DNA
 306 <213> ORGANISM: Artificial Sequence
 308 <220> FEATURE:

309 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
 310 with human cDNA

312 <400> SEQUENCE: 20
 313 gaggcggggt aagggaagta ggtggaagat tcagc 35
 316 <210> SEQ ID NO: 21
 317 <211> LENGTH: 35
 318 <212> TYPE: DNA
 319 <213> ORGANISM: Artificial Sequence
 321 <220> FEATURE:

322 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for PCR
 323 with human cDNA

325 <400> SEQUENCE: 21
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 330 <211> LENGTH: 40
 331 <212> TYPE: DNA
 332 <213> ORGANISM: Artificial Sequence
 334 <220> FEATURE:

335 <223> OTHER INFORMATION: Description of Artificial Sequence:primer for
 336 adding Kozak consensus sequence to human cDNA

338 <400> SEQUENCE: 22
 339 cccagccacc atggaagtgc agttagggct ggggaagggtc 40
 342 <210> SEQ ID NO: 23
 343 <211> LENGTH: 35
 344 <212> TYPE: DNA
 345 <213> ORGANISM: Artificial Sequence
 347 <220> FEATURE:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/550,173

DATE: 07/18/2001

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Input Set : A:\2185-0424P.ST25.txt

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L:51 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1

L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2